



(11) **EP 1 600 548 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.06.2007 Bulletin 2007/26

(51) Int Cl.:
D06F 58/02 (2006.01)

(43) Date of publication A2:
30.11.2005 Bulletin 2005/48

(21) Application number: **04292967.9**

(22) Date of filing: **13.12.2004**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR**
Designated Extension States:
AL BA HR LV MK YU

(72) Inventors:
• **Park, Dae-Yun**
Gyeonggi-Do (KR)
• **Park, Young-Hwan**
Seoul (KR)

(30) Priority: **13.05.2004 KR 2004033960**

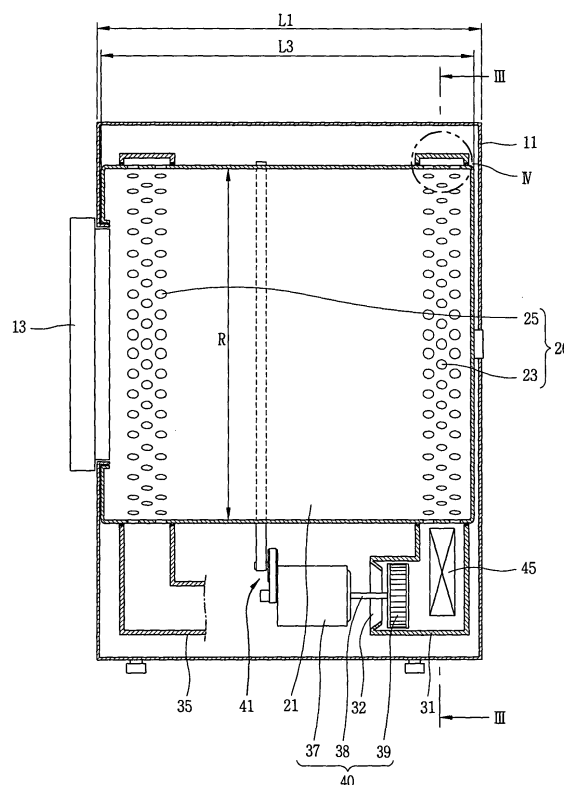
(74) Representative: **Loisel, Bertrand**
Cabinet Plasseraud
52 rue de la Victoire
75440 Paris Cedex 09 (FR)

(71) Applicant: **LG ELECTRONICS INC.**
Seoul (KR)

(54) **clothes dryer**

(57) The present invention discloses a clothes dryer including a drum (21) rotatably installed in a cabinet, a plurality of vent holes (26) being formed on the circumferential surface of the drum, first (31) and second (35) ducts coupled to the drum (21), respectively, for sucking and exhausting air to/from the drum, and a fan motor (40) for forcibly sending air through the first and second ducts. Here, at least one of the first and second ducts is linked to the plurality of vent holes (26). The clothes dryer can increase a capacity of the drum without increasing a size of the cabinet.

FIG. 2





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 29 2967

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 16 10 236 B1 (SCHAEFER KONRAD) 21 September 1972 (1972-09-21)	1-8, 12-20	INV. D06F58/02
A	* the whole document *	9-11, 21-23	

X	DE 864 542 C (NORVA MASKINFABRIK A S) 26 January 1953 (1953-01-26)	1-4,6,7, 14,15, 18,19	
A	* the whole document *	5,8-13, 16,17, 20-23	

A	JP 10 165695 A (TOKYO GAS CO LTD) 23 June 1998 (1998-06-23)	1-23	

			TECHNICAL FIELDS SEARCHED (IPC)
			D06F
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		22 May 2007	Spitzer, Bettina
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1
EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 29 2967

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-05-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 1610236	B1	21-09-1972	NONE	

DE 864542	C	26-01-1953	NONE	

JP 10165695	A	23-06-1998	NONE	
